

## **List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (New) A process installation having:  
a control room;  
a signal line;  
a plurality of field devices, which exchange data with said control room via said signal line SL, wherein:

said signal line SL is designed for a conventional first data transmission technology having a low data transmission rate (smaller than 10,000 baud);

at least one field device, for data exchange, operates with a second data transmission technology, which permits a greater data transmission rate and/or an expanded functionality than the first transmission technology, and which uses, as a communication medium, the existing signal line SL.

12. (New) The process installation as claimed in claim 11, wherein:  
the first and second data transmission technologies use separate data transmission channels occupying different frequency bands.

13. (New) The process installation as claimed in claim 11, wherein:  
the first data transmission channel occupies a frequency band up to 4 kHz, and the second data transmission channel occupies a frequency range greater than 4 kHz.

14. (New) The process installation as claimed in claim 11, wherein:  
said signal line SL is a 2-wire line.

15. (New) The process installation as claimed in claim 11, wherein:  
said signal line SL is a copper 2-wire line with a bandwidth of about 1 MHz.

16. (New) The process installation as claimed in claim 11, wherein:  
said first data transmission technology operates according to an industrial standard, e.g. Whessoematic WM550, Varec Mark/Space, Sakura V1, Tiway, Profibus, HART, FF.

17. (New) The process installation as claimed in claim 11, wherein:  
said second data transmission technology corresponds to DSL (digital subscriber line) technology.

18. (New) The process installation as claimed in claim 11, wherein:  
the process installation, is a tank farm with a plurality of tanks LC1, LC2, LC3, LC4, LC5 for containing liquid.

19. (New) A method for modernizing a process installation with a plurality of field devices, which exchange data with a control room CR via a signal line SL, comprising the step of:

older field devices which transmit data to a control room according to a first transmission technology by new field devices, which work according to a second transmission technology, wherein:

the data transmission according to the second transmission technology occurs in a second channel on the existing signal line SL, so that the data transmission signals of the different transmission technologies do not influence one another.

20. (New) A method for communication in a process installation with a plurality of field devices, comprising the step of:

using an existing signal line SL for a first transmission technology and also for a second transmission technology.